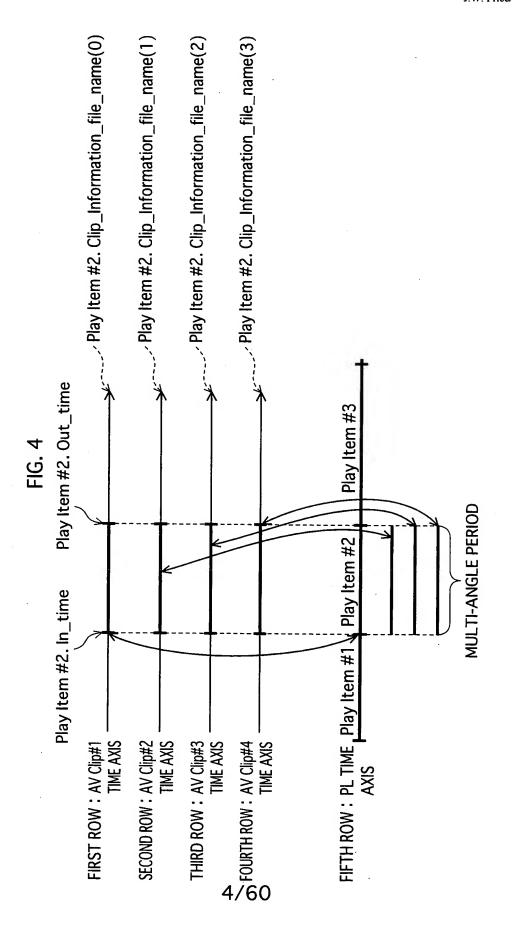
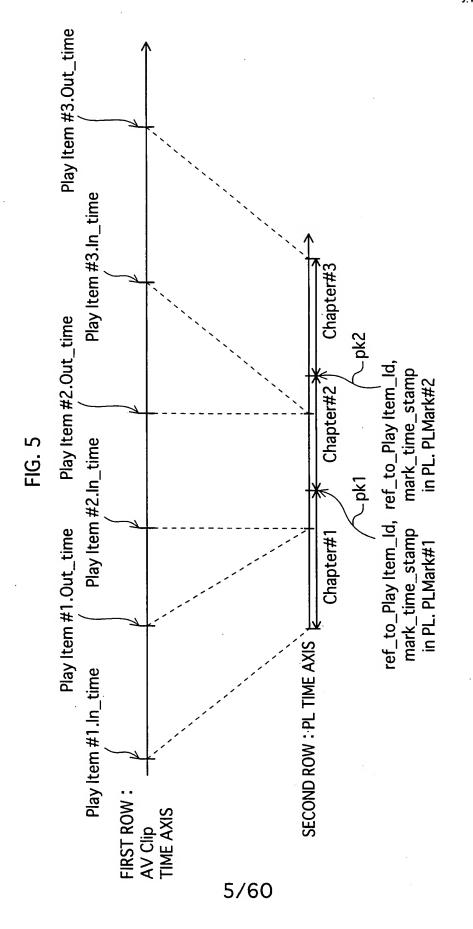


FIG. 3





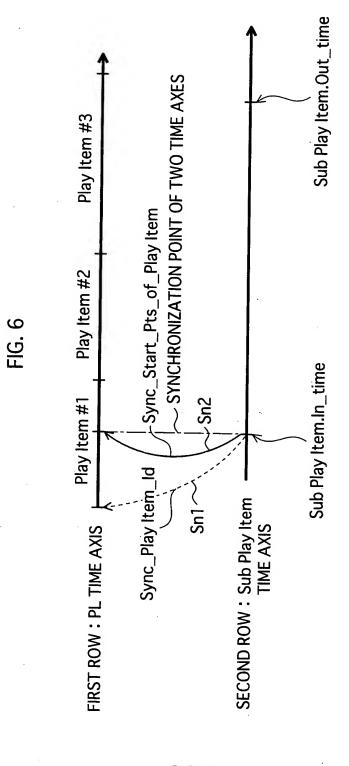


FIG. 7A

ZZZZZ.BDMV

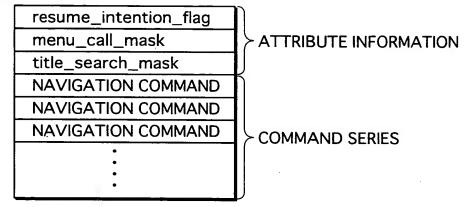
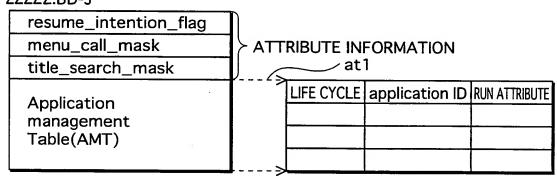
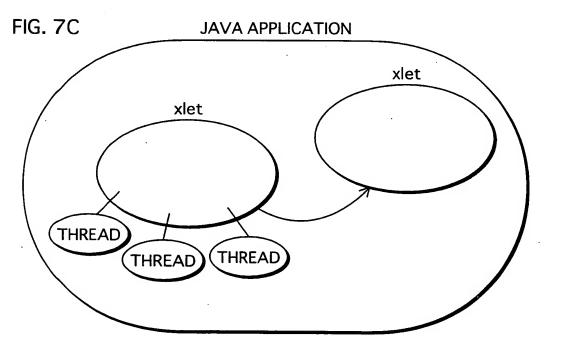
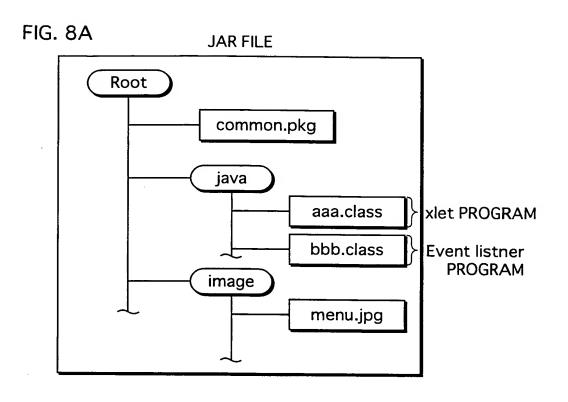
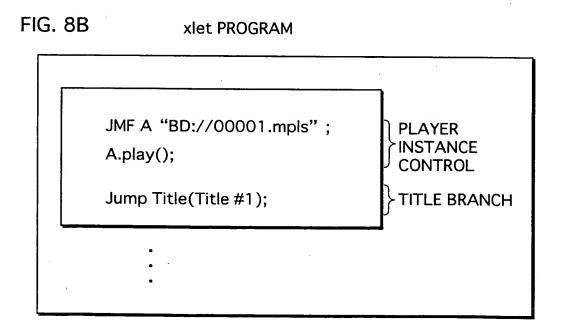


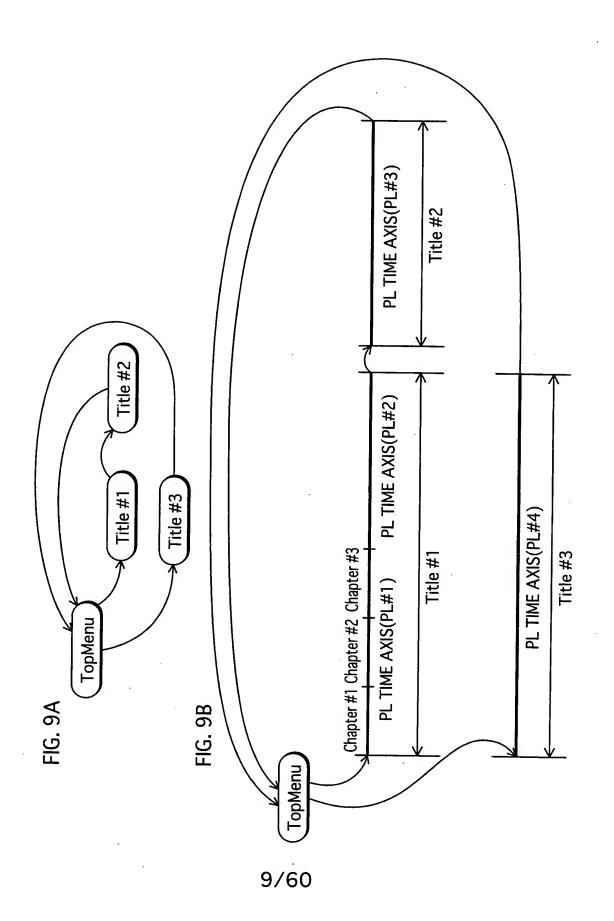
FIG. 7B ZZZZZ.BD-J

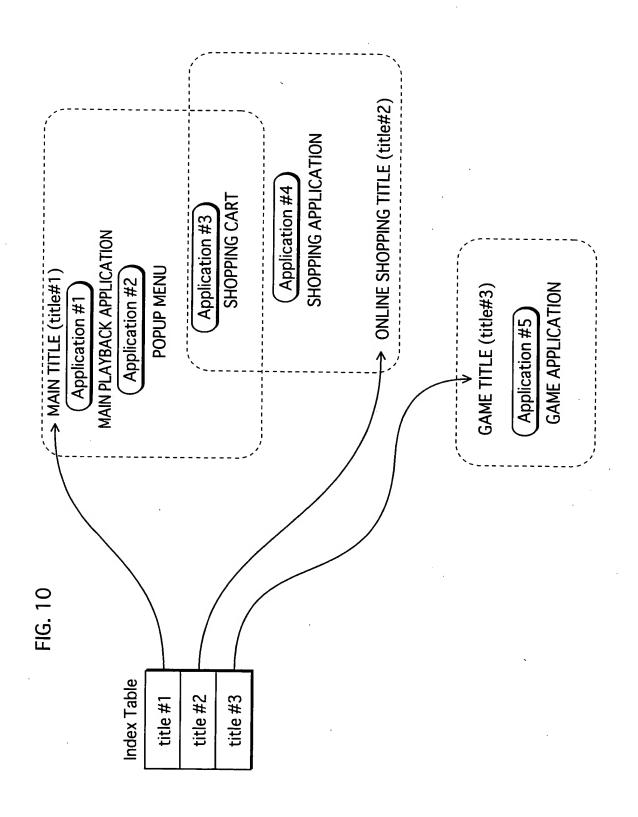


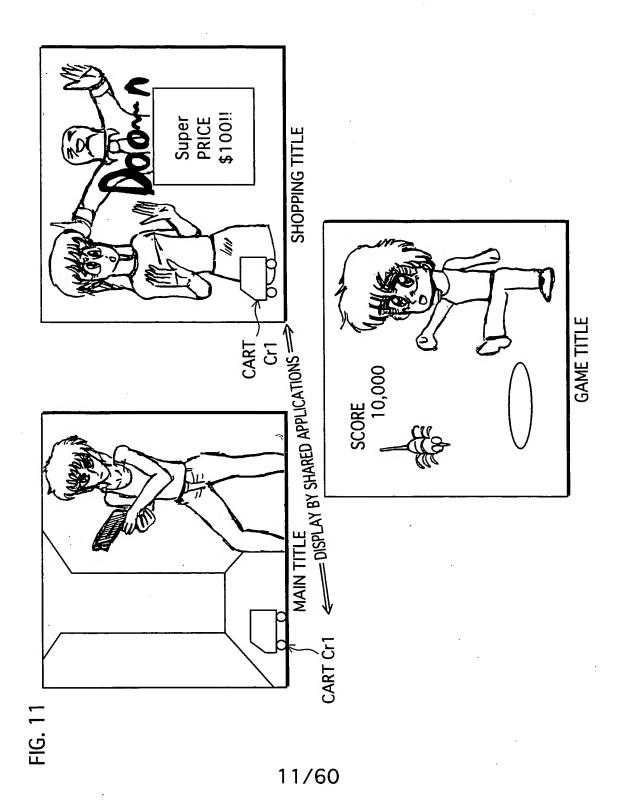


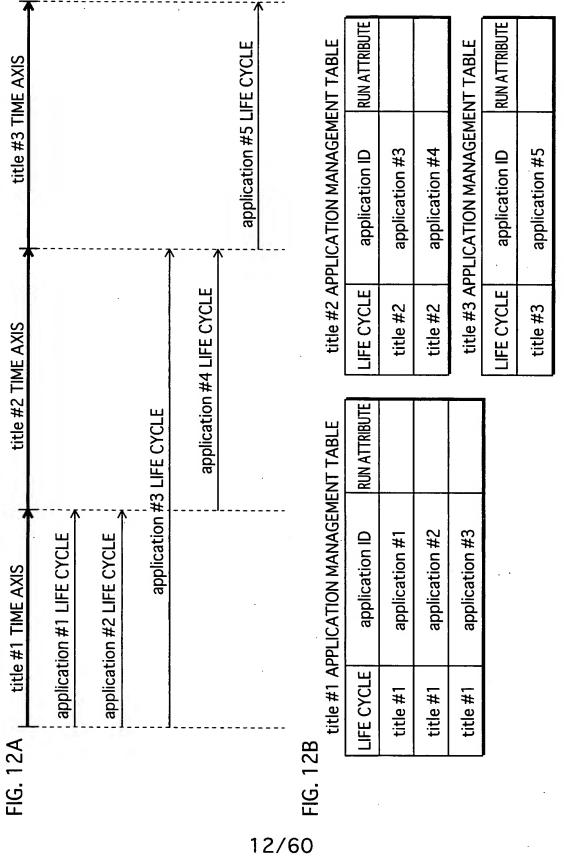












title #2 TIME AXIS **RUN ATTRIBUTE RUN ATTRIBUTE Persistent Persistent** AutoRun AutoRun Terminate Terminate title #1 APPLICATION MANAGEMENT TABLE title #2 APPLICATION MANAGEMENT TABLE application #3 application ID application #2 application ID application #3 application #1 application #1 LIFE CYCLE application #2 LIFE CYCLE application #3 LIFE CYCLE title #1 TIME AXIS LIFE CYCLE LIFE CYCLE title #1 title #1 title #2 title#1 Run Call FIG. 13A FIG. 13B Run Run

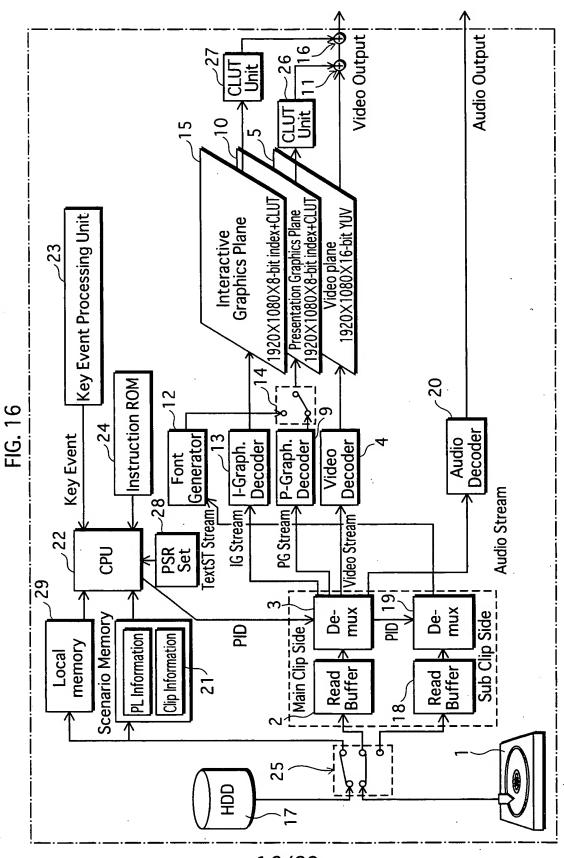
Terminate **RUN ATTRIBUTE RUN ATTRIBUTE** Persistent Persistent Suspend title #3 APPLICATION MANAGEMENT TABLE title #2 APPLICATION MANAGEMENT TABLE title#3_TIME_AXIS application #2 application #2 application ID application ID application #1 **Terminate** Resume RESOURCES ARE
OCCUPIED, BUT CPU
POWER IS NOT ALLOCATED LIFE CYCLE LIFE CYCLE title #2 title #2 title #3 title #2 TIME AXIS **RUN ATTRIBUTE** Suspend AutoRun AutoRun title #1 APPLICATION MANAGEMENT TABLE title #1 TIME AXIS application #2 application ID application #1 Run Run LIFE CYCLE application #2 (application #1 title #1 title #1 FIG. 14A FIG. 14B

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FIG. 15

CHANGE IN APPLICATION STATUS ACCORDING TO RUN ATTRIBUTES

			Run Attribute	
		Persistent	AutoRun	Suspend
:- -	Not Run	Maintain status without performing operation	Run Application	Maintain status without performing operation
Application Status in Previous Title	Running	Maintain status without Maintain status withor performing operation	Maintain status without Maintain status without performing operation	Suspend
	Suspend	Resume	Resume	Maintain status without performing operation



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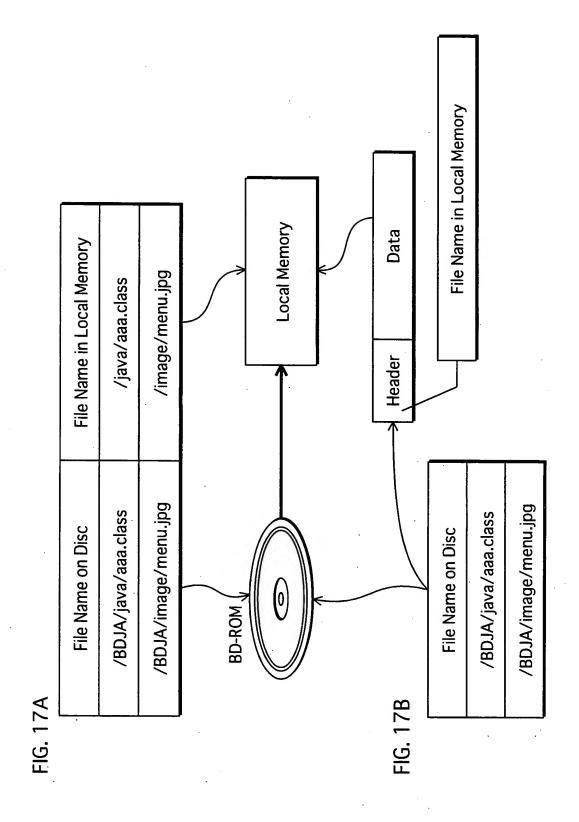


FIG. 18

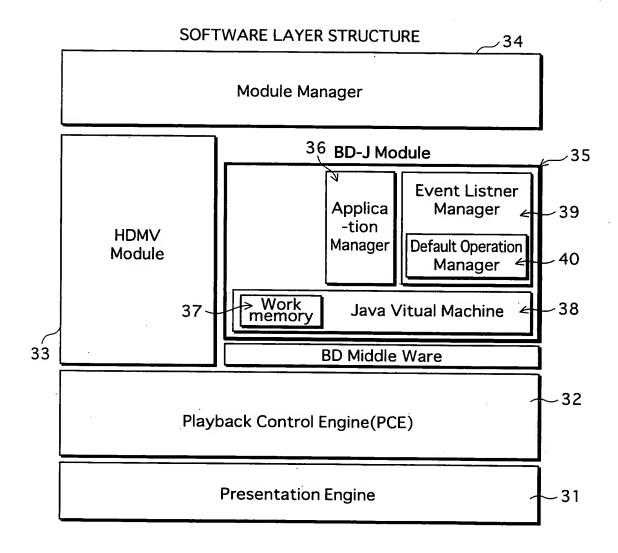
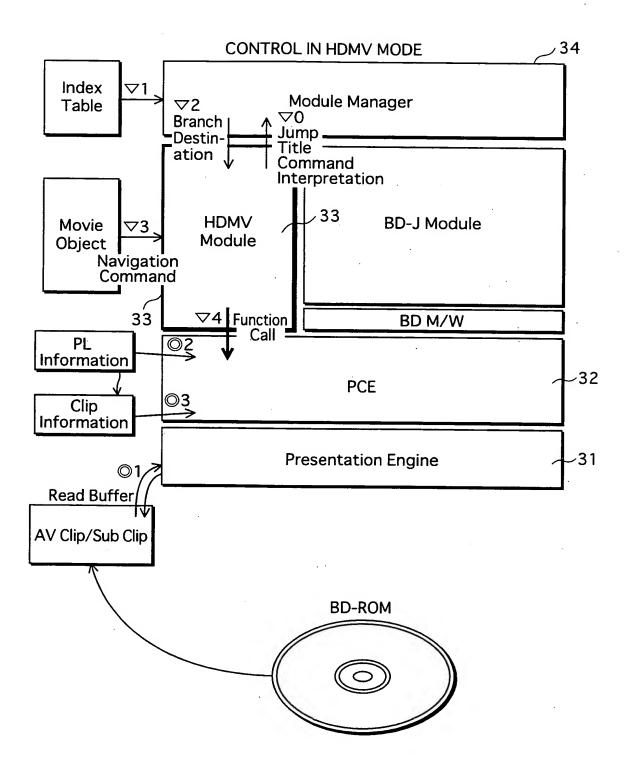
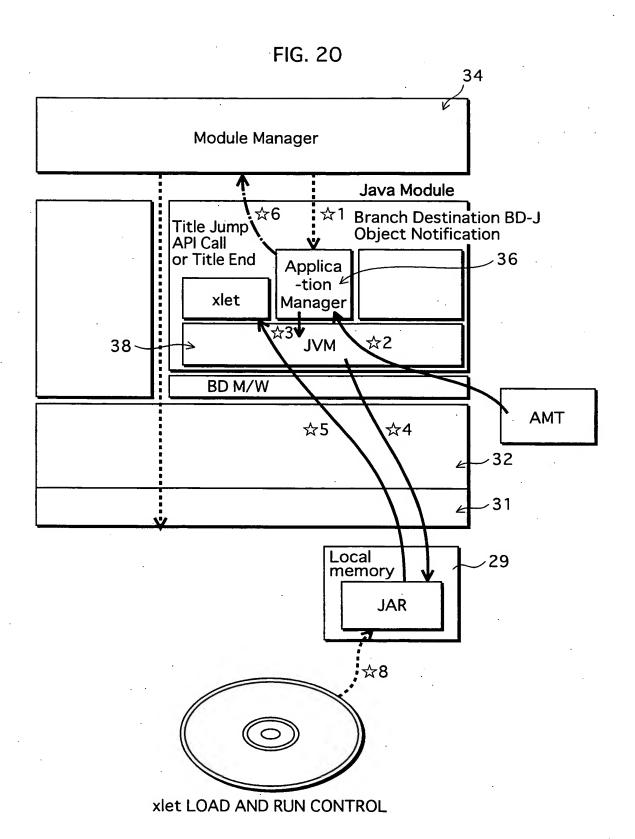
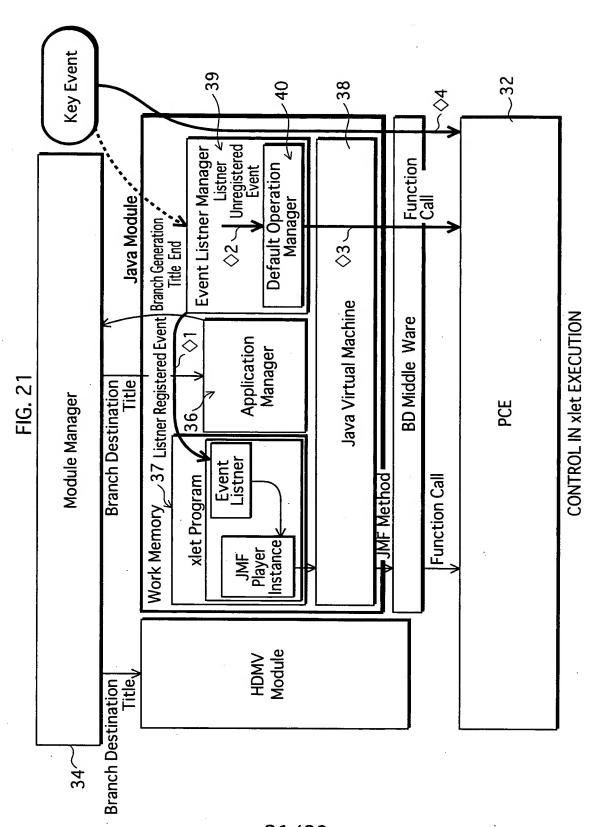


FIG. 19







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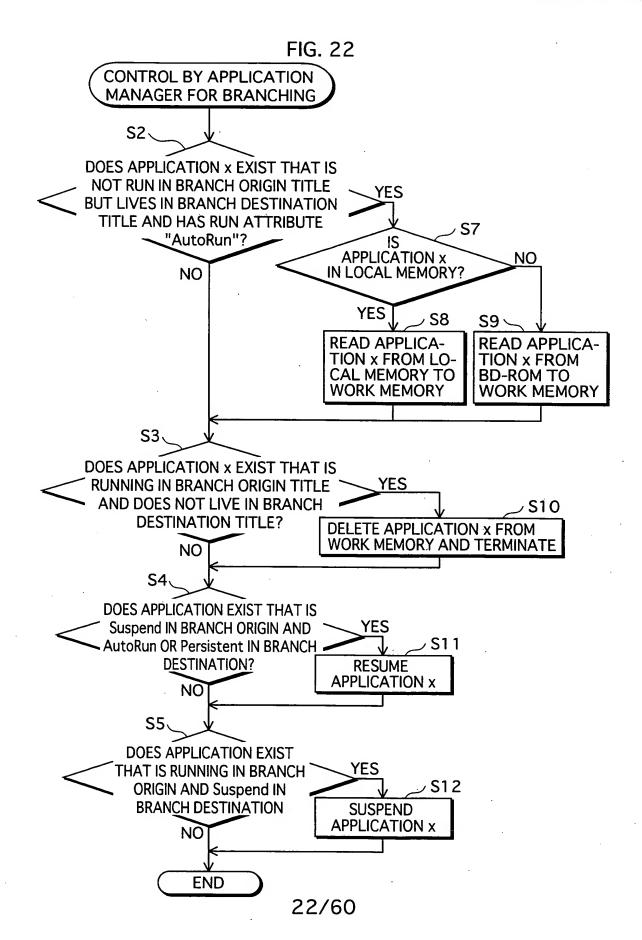
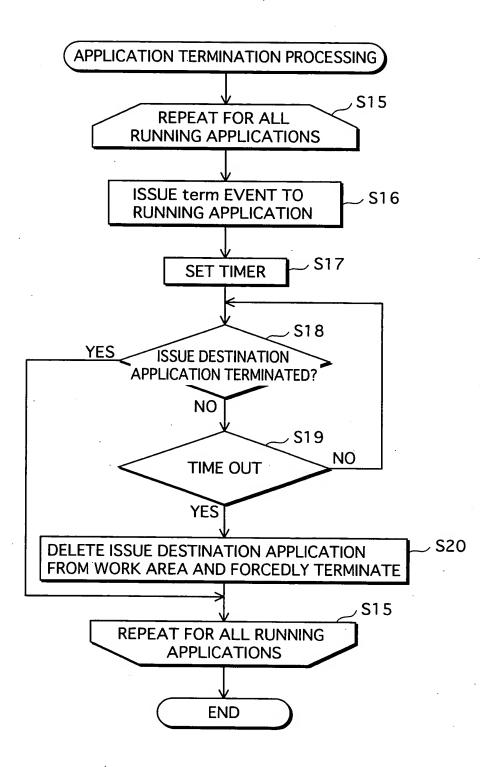
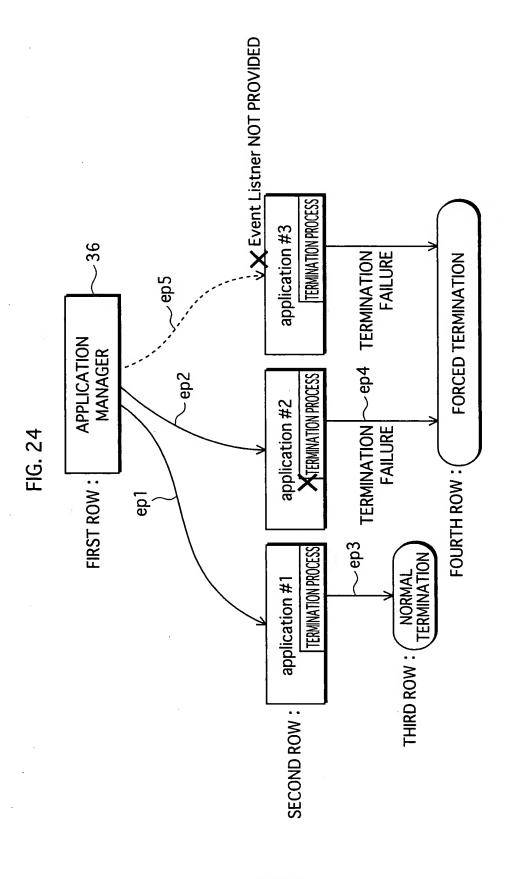
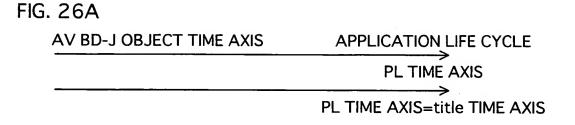


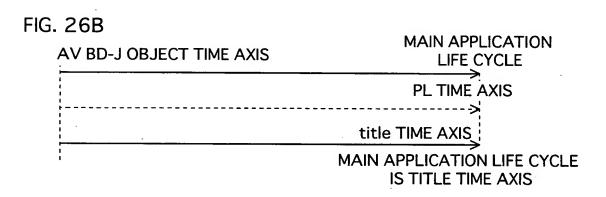
FIG. 23

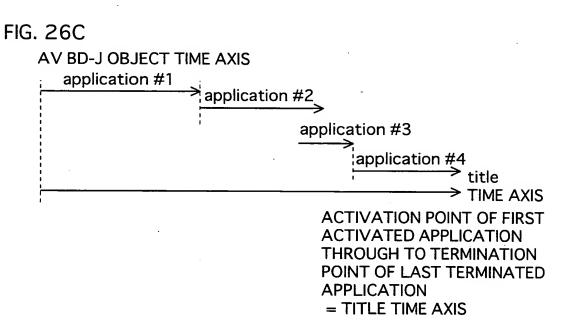


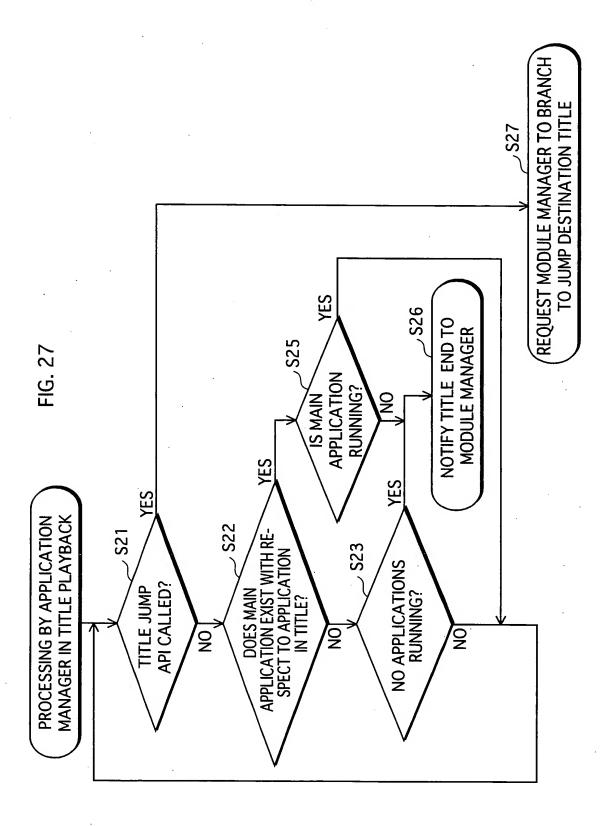


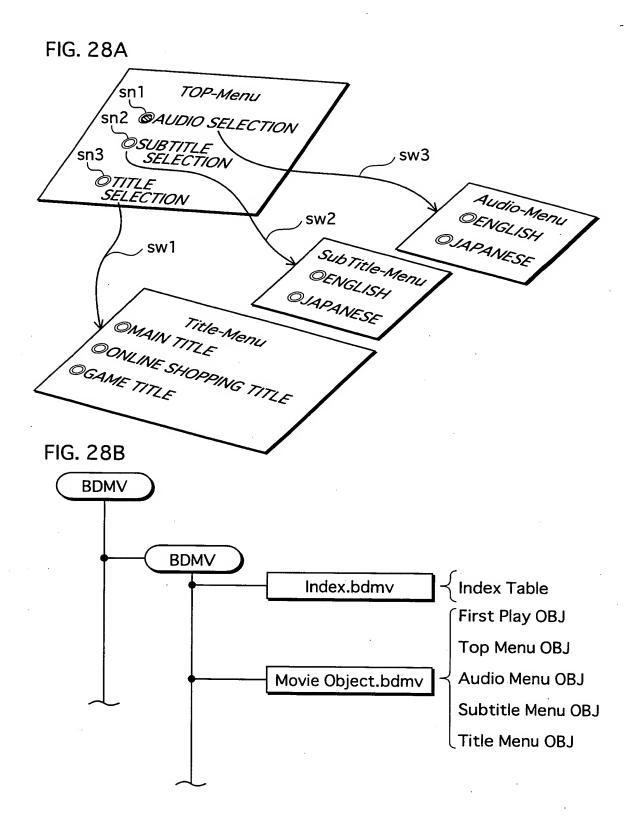
Terminate chapter #4; chapter #5; chapter #6; RUN ATTRIBUTE RUN PRIORITY LEVEL 255 128 128 application #3 AutoRun AutoRun AutoRun APPLICATION MANAGEMENT TABLE erminate_ title #1 TIME AXIS Run application #3 application ID application #2 application #1 chapter #3 application #2 application #1 chapter #2 title #1 : chapter #2-#3 title #1: chapter #4-#6 LIFE CYCLE chapter #1 title #1 Run FIG. 25A

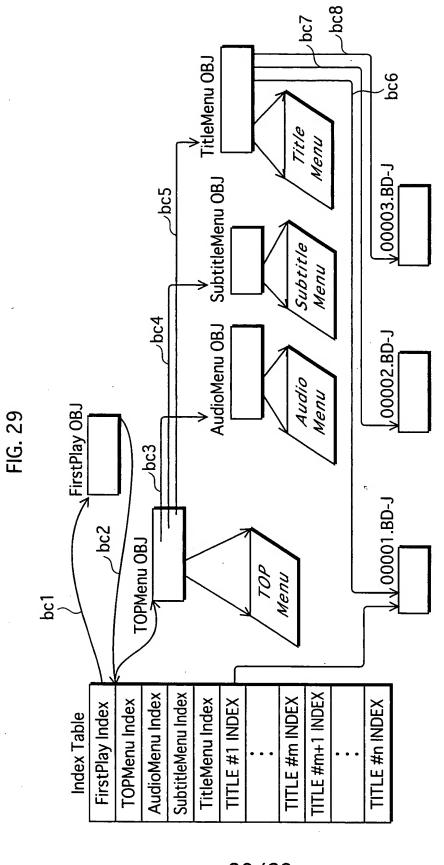












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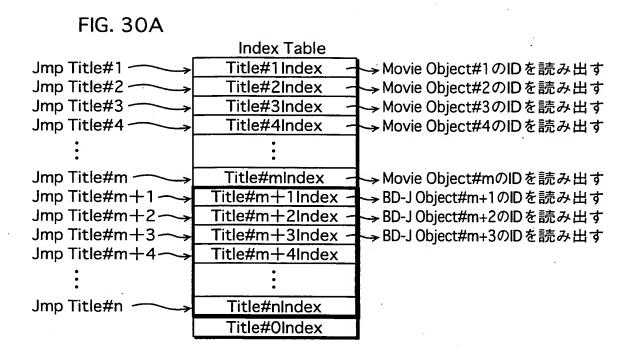
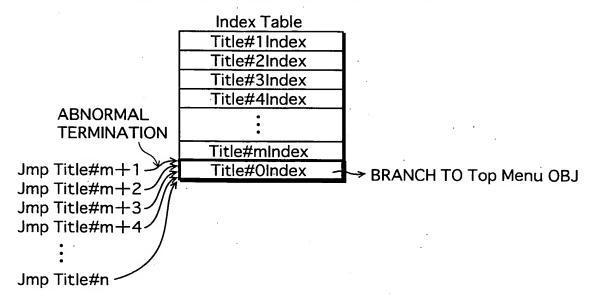
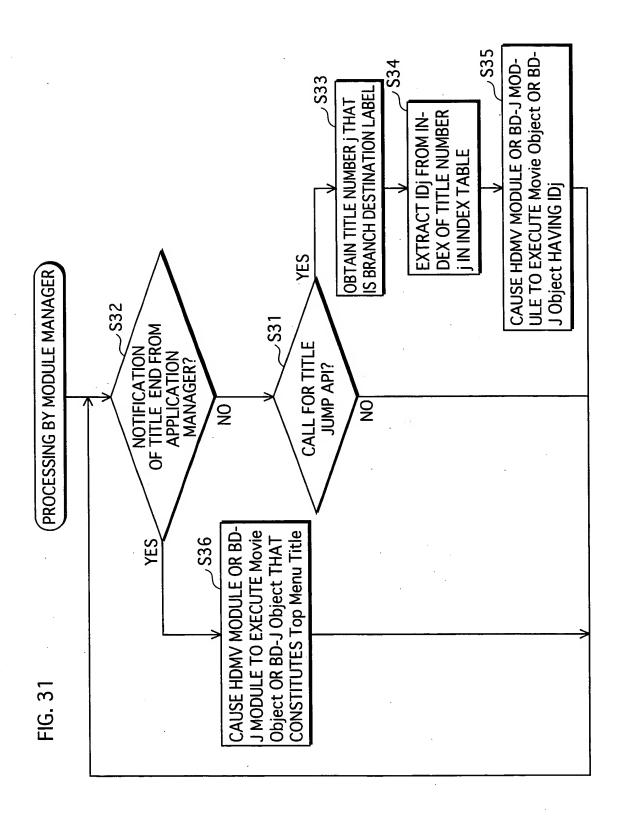
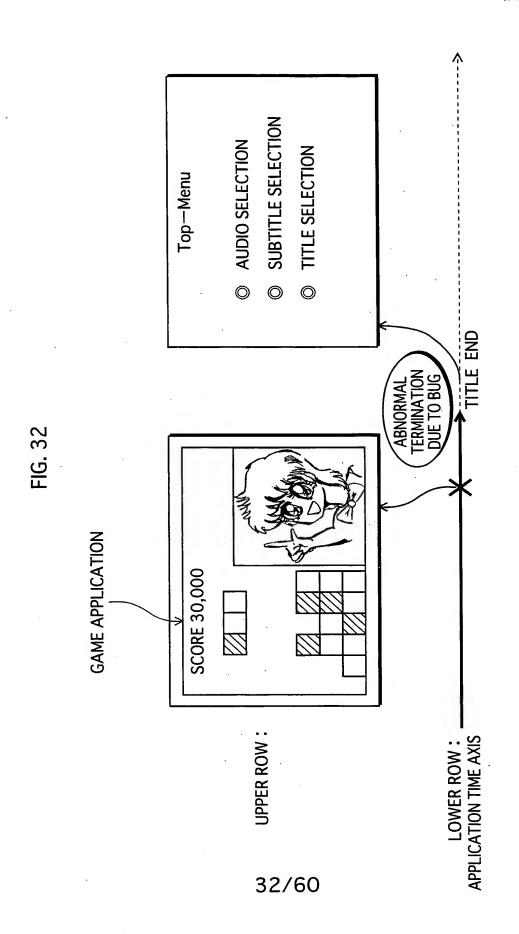
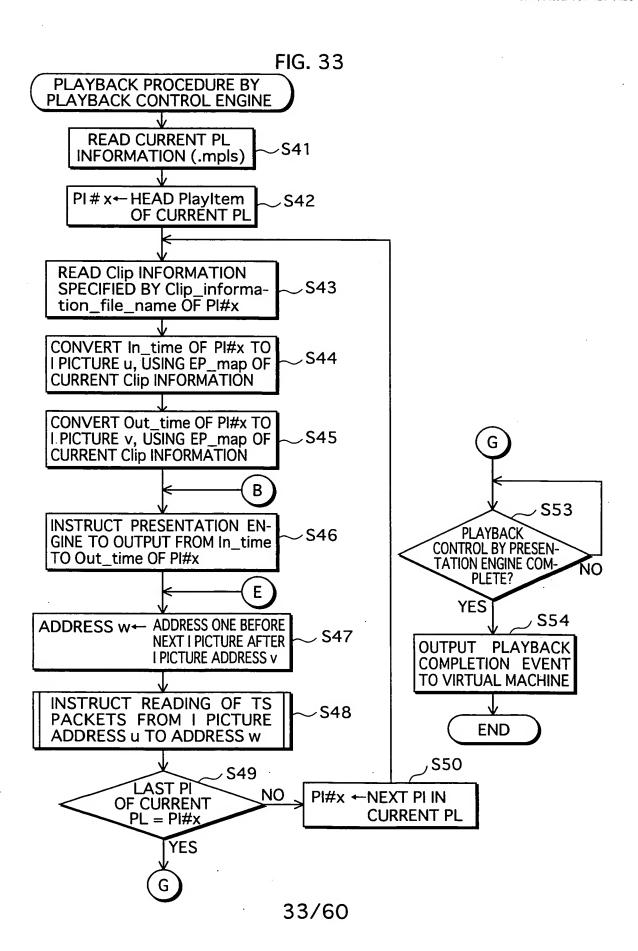


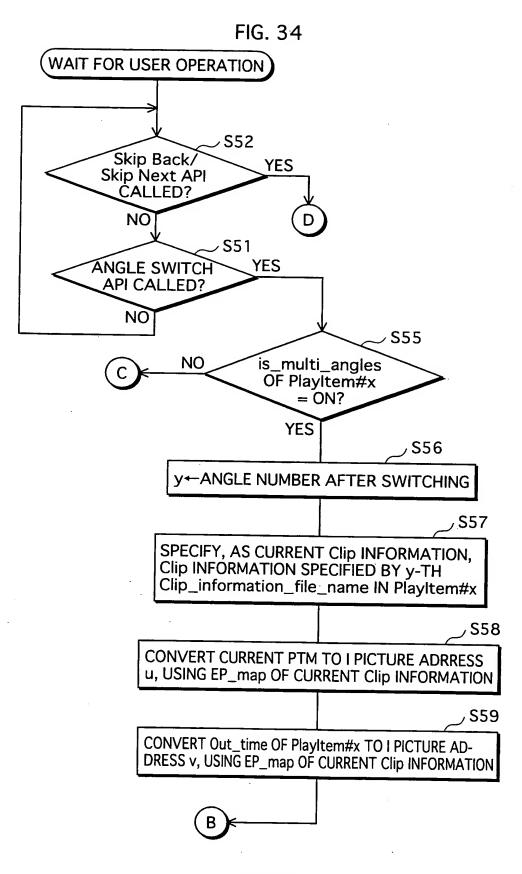
FIG. 30B EXCEPTIONAL PROCESSING IN BD-J OBJECT EXECUTION



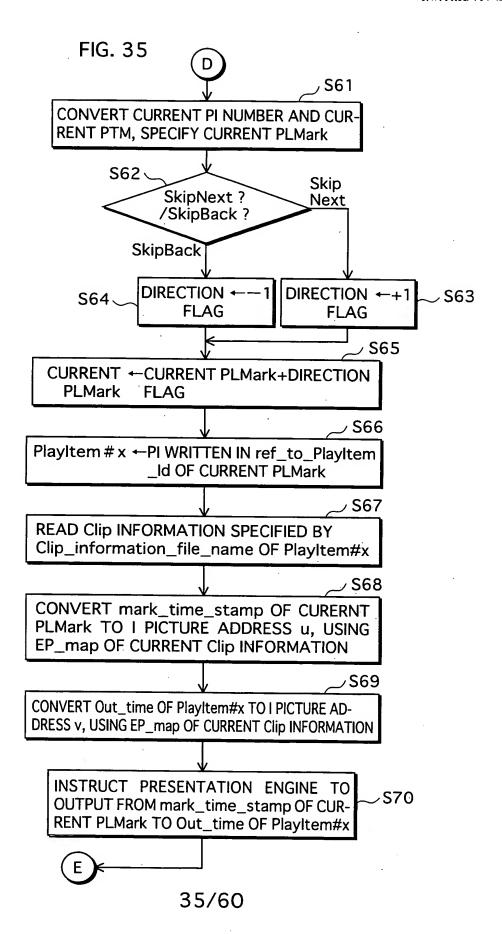








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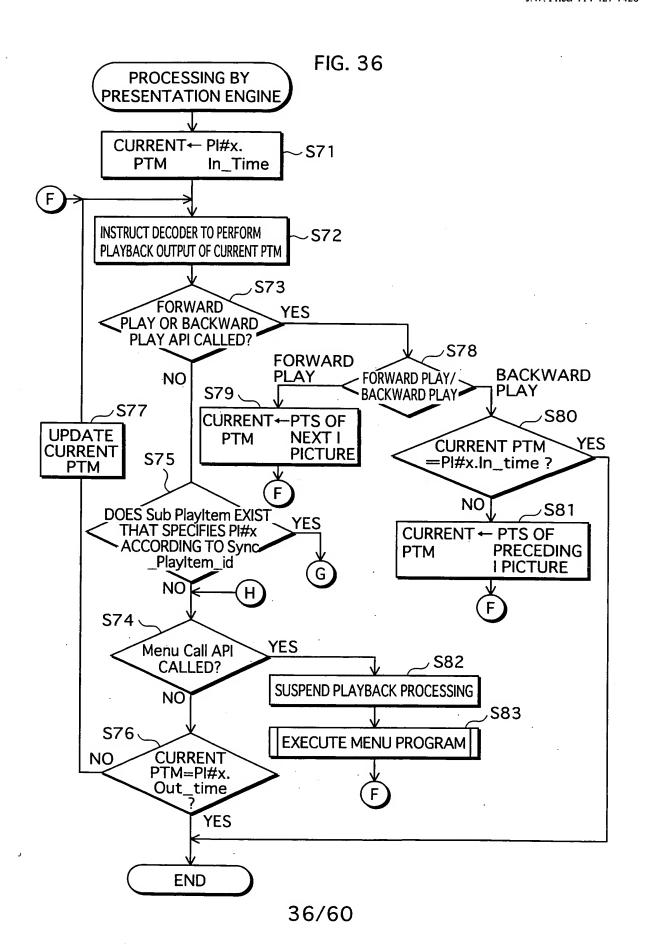
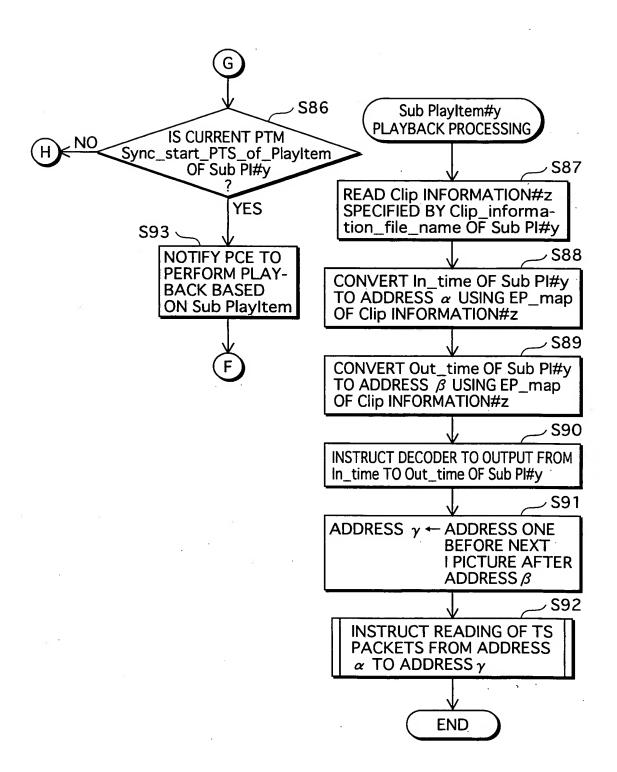
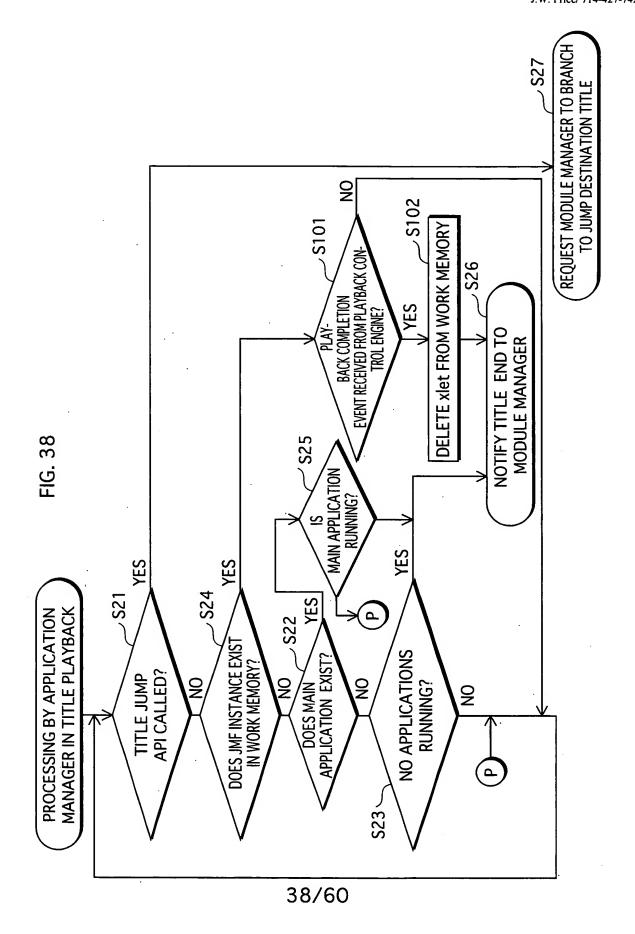


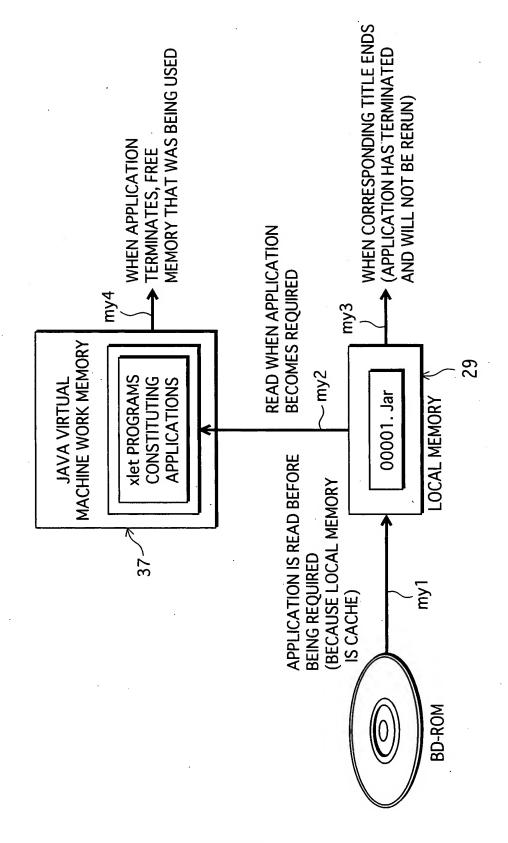
FIG. 37





READ ATTRIBUTE READ PRIORITY LEVEL application ID RUN ATTRIBUTE LIFE CYCLE application ID LIFE CYCLE resume_intention_flag Application Management Table(AMT) Management Table(DMT) title_search_mask menu_Call_Mask ZZZZZ. BD-J Data

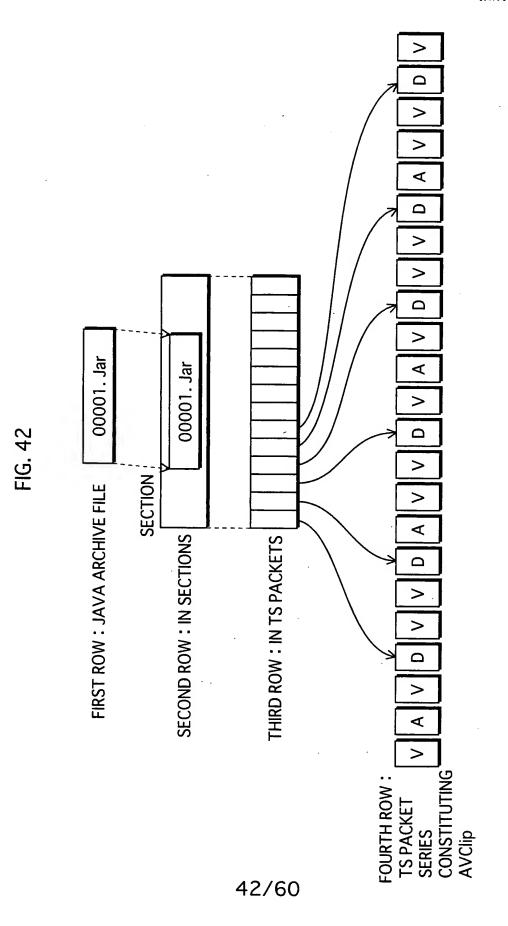
FIG. 39

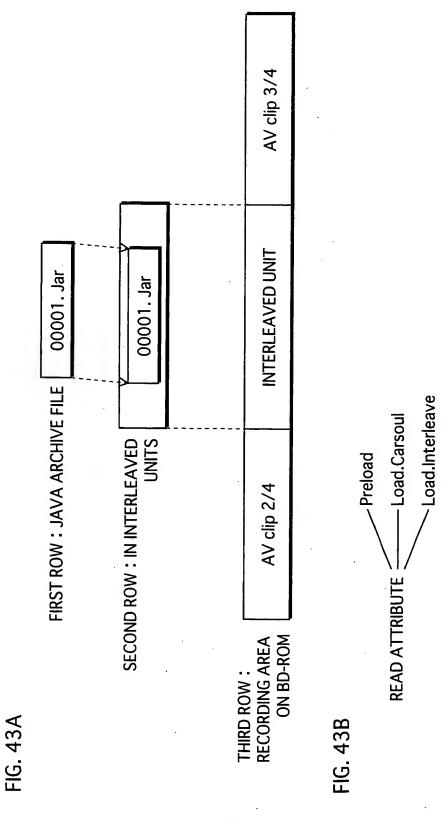


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	READ ATTRIBUTE READ PRIORITY LEVE				E AXIS				
ENT TABLE	READ ATTRIBUTE				title #3 TIME AXIS				
title #2 DATA MANAGEMENT TABLE	application ID	application #1	application #2		,	.			Free
title #2 [LIFE CYCLE	title #1 a	title #2		title #2 TIME AXIS				application #3
	READ ATTRIBUTE READ PRIORITY LEVEL				title	Free)		Read applii
ENT TABLE	READ ATTRIBUTE				S				
title #1 DATA MANAGEMENT	application ID	application #1	application #2		title #1 TIME AXIS	application #1	application #2		
title#	LIFE CYCLE	title #1	title #1	FIG. 41B		Read	ap ab	Nead	
				41/6	60				

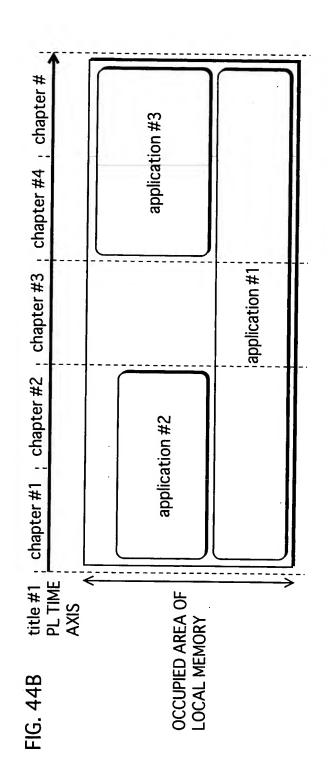




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FIG. 44A title #1 DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	READ ATTRIBUTE	READ ATTRIBUTE READ PRIORITY LEVEL
title #1	application #1	Preload	mandatory
title #1:chapter #1-#2	application #2	Load	optional
title #1:chapter #4-#5	application #3	Load	optional



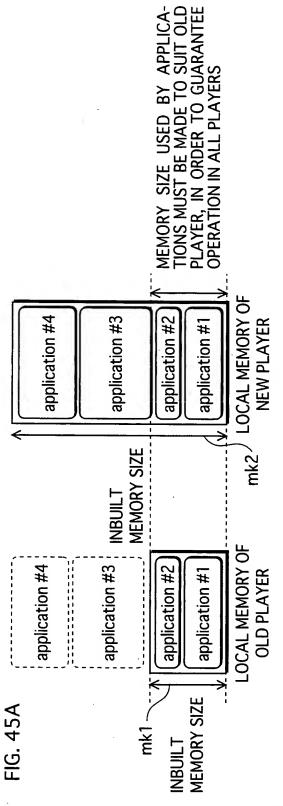


FIG. 45B title #1 DATA MANAGEMENT TABLE

TITLE NUMBER	application ID	READ ATTRIBUTE READ PRIORITY LEVEL	READ PRIORITY LEVEL
title #1	application #1	Preload	mandatory
title #1	application #2	Preload	mandatory
title #1	application #3	Preload	optional
title #1	application #4	Preload	optional

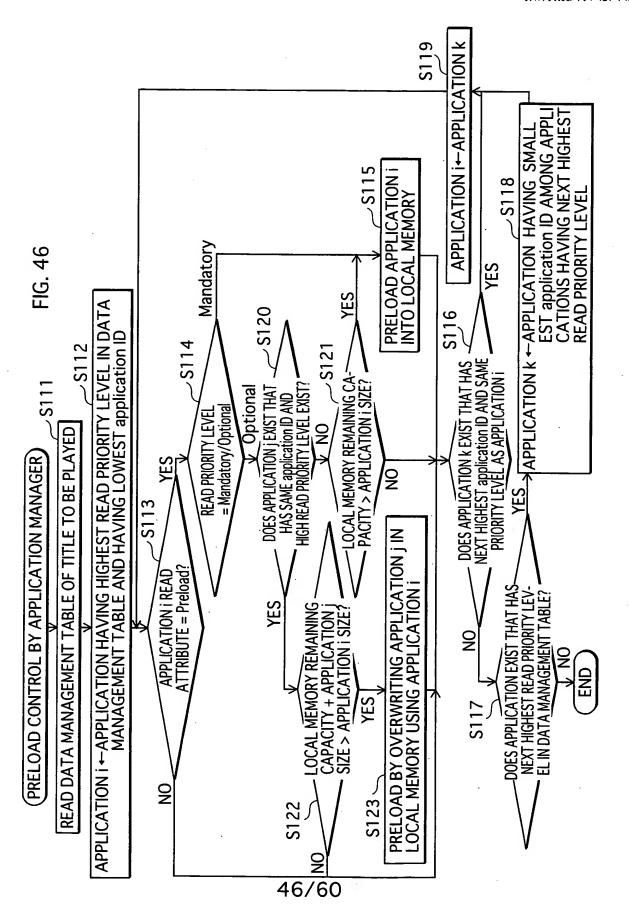
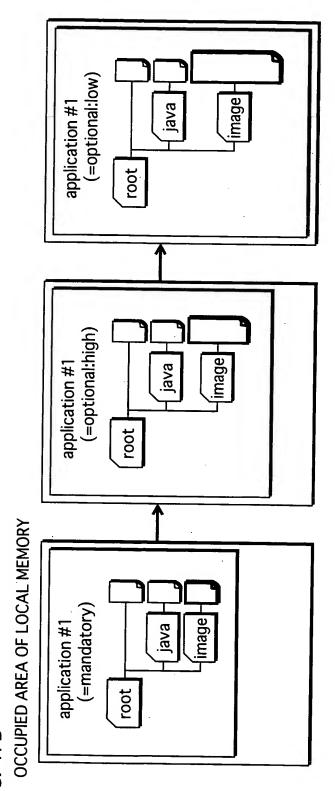


FIG. 47A title #1 DATA MANAGEMENT TABLE

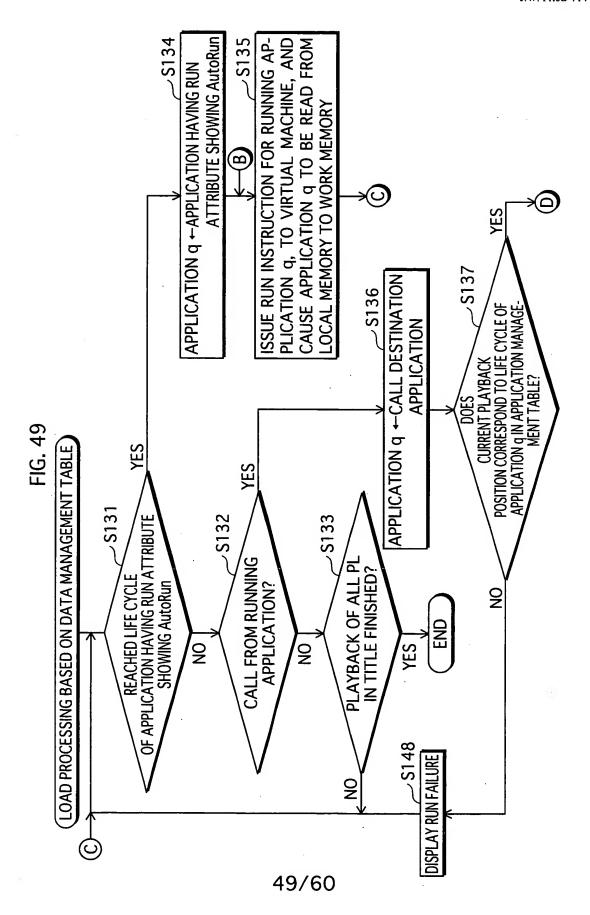
LIFE CYCLE	application ID	READ ATTRIBUTE	READ PRIORITY
title #1	application #1	Preload	mandatory
title #1	application #1	Preload	optional:high
title #1	application #1	Preload	optional:low

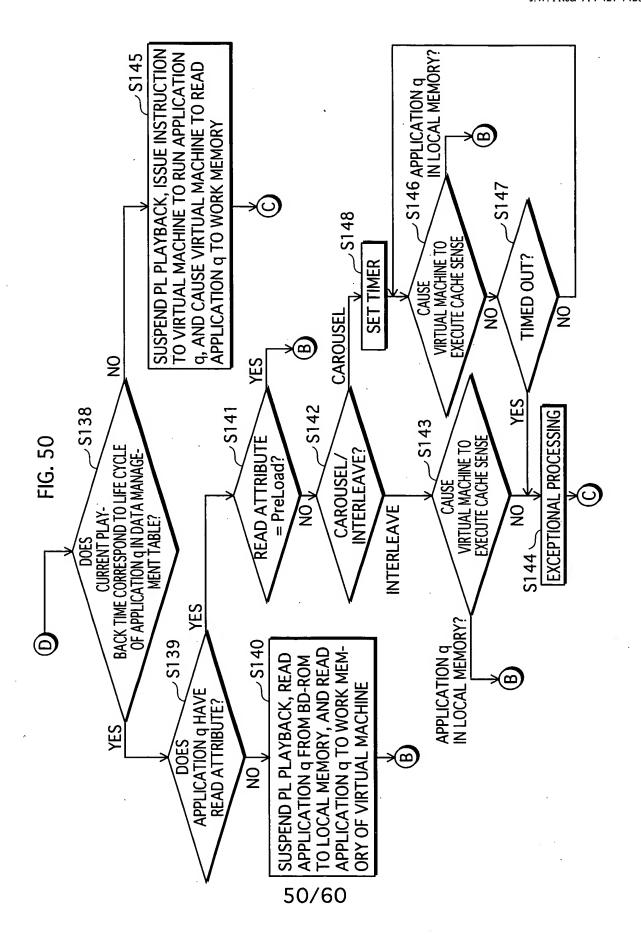
FIG. 47B

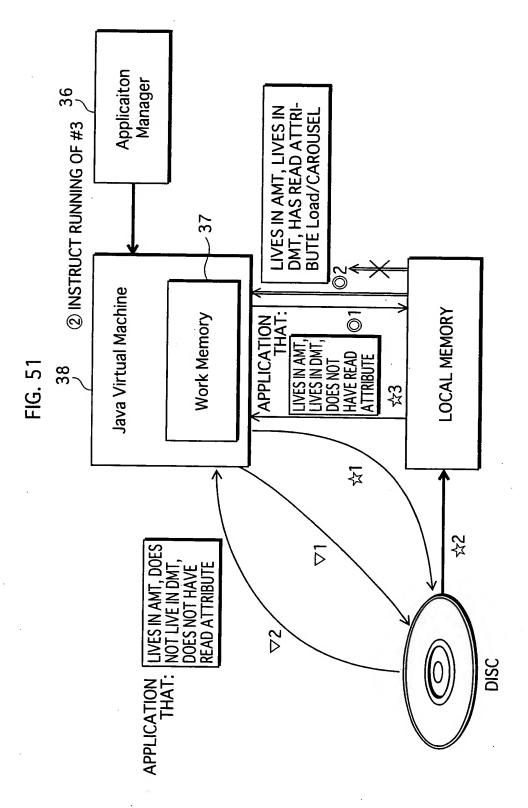


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						AXIS					AXIS				
	READ ATTRIBUTE READ PRIORITY LEVEL	mandatory	mandatory	mandatory	optional	er#5 PL TIME AXIS			3(Load)		er#5 PL TIME AXIS				
	READ ATTRIBUTE	Preload	Load	Load	Preload	chapter #3 chapter #4 chapter #5	eload)		application #3(Load)	0	chapter #4 chapte	eload)			eload)
EMENT TABLE	application ID	application #1	application #2	application #3	application #3	chapter#2 chapter#3	application #1 (Preload)		application #2(Load)		chapter #2 chapter #3 chapter #4 chapter #5	application #1 (Preload)	 application #2(Load)		application #3(Preload)
title #1 DATA MANAGEMENT TABLE	LIFE CYCLE	title #1	title #1:chapter #1-#2	title #1:chapter #4-#5	title #1	chapter #1	70 75	MEMORY SIZE OF			chapter #1		MEMORY SIZE OF PLAYER IS LARGE applicati	i	
FIG. 48A						FIG. 48B					FIG. 48C		MEMC PLAYI		·
							48/	6	J						







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FIG. 52A

ZZZZZ. BD-J

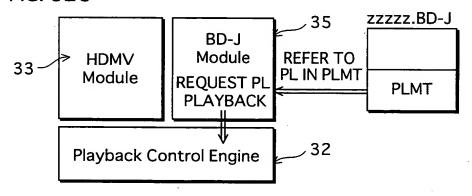
resume_intention_flag
menu_Call_Mask
title_search_mask
Application Management Table(AMT)
Data Management Table(DMT)
PlayList Management Table(PLMT)

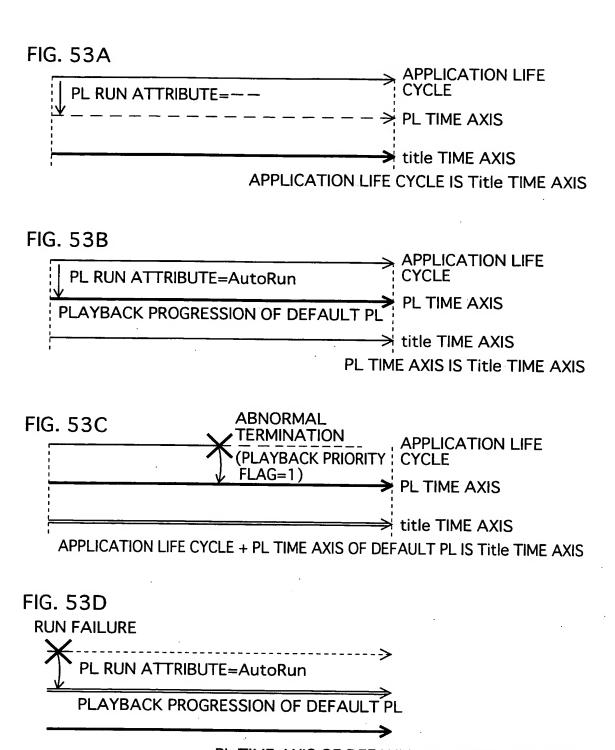
FIG. 52B

PL MANAGEMENT TABLE

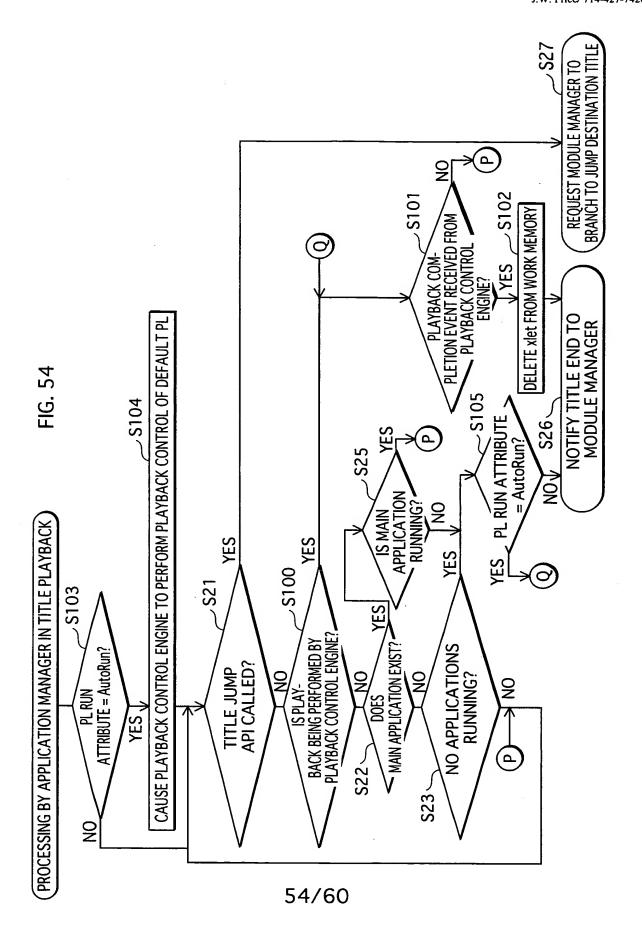
PLAYLIST ID	PLAYBACK ATTRIBUTE
	Auto Play

FIG. 52C





PL TIME AXIS OF DEFAULT PL IS TITLE AXIS



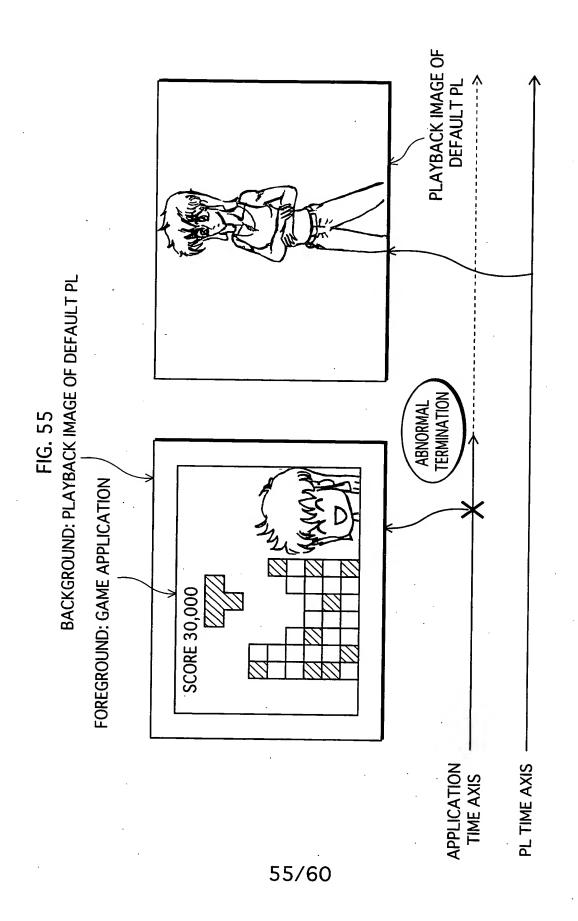


FIG. 56A

APPLICATION AND DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	RUN ATTRIBUTE	RUN ATTRIBUTE READ PRIORITY LEVEL
title #1	application #1	AutoRun	
title #1:chapter #1-#3	application #2	Ready	
title #1	application #3		
title #1:chapter #2-#4	application #4	Ready	

RUN ATTRIBUTE + READ ATTRIBUTE

FIG. 56B

RUN ATTRIBUTE	PRELOAD BEFORE AV STREAM PLAYBACK	AUTO-RUN /CALL RUN	LOAD TO LOCAL MEMORY	LIVES /DOES NOT LIVE
AutoRun	0	AUTO	ON	LIVES
AutoRun	×	AUTO	YES	LIVES
READY	0	CALL	ON	LIVES
READY	×	CALL	YES	LIVES
NOT SPECIFIED	×	CALL	ON	LIVES

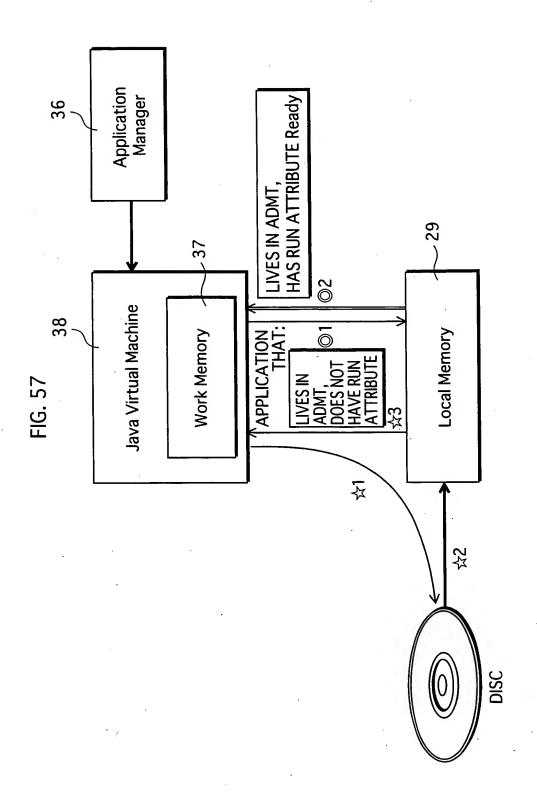


FIG. 58A DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	READ ATTRIBUTE READ PRIORITY LEVEL	READ PRIORITY LEVEL
title #1	application #1	Preload	mandatory
title #1	application #2	Preload	option, 255
title #1	application #3	Preload	option, 128

IF FREE CAPACITY OF MEMORY IS INSUFFICIENT, READ ONLY PART OF Option DATA **LOCAL MEMORY** application #3 application #2 application #1 MINIMUM MEMORY SIZE OF PLAYER INBUILT MEMORY SIZE OF PLAYER application #3 **LOCAL MEMORY** application #2 application #1

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FIG. 58B

FIG. 59A DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	LOAD ATTRIBUTE	LOAD ATTRIBUTE READ PRIORITY LEVEL GROUP ATTRIBUTE	GROUP ATTRIBUTE
title #1	application #1		mandatory	
title #1	application #2		optional	group #1
title #1	application #3		optional	group #1

application #3
application #1
application #1
LOCAL MEMORY

application #1

FIG. 59B

